

What is claimed is:

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a)
1. An authentication method comprising the steps of:
- (a) receiving a member ID information from a user through an open information communication line;
- 5 (b) identifying a member by comparing a member ID information registered in a member database and the member ID information from the user;
- (c) requesting connection to a mobile communication terminal of the member by using a mobile communication terminal number registered in said member data base when the member is identified;
- 10 and
- (d) judging authentication when an authentication approval signal is received from said mobile communication terminal.
- 15 2. An authentication apparatus comprising:
- a member database registering an information of members;
- an individual authentication control means for receiving a member ID information from a user, through an open information communication line;
- 20 a basic authentication means for identifying a member by comparing a member ID information registered in said member database and the member ID information received from said

individual authentication control means; and

a mobile communication authentication means for requesting connection to a mobile communication terminal of the member using a mobile communication terminal number registered in said member data base, when the member ID from the user is authenticated by said
5 basic authentication means;

wherein said authentication apparatus judges that the authentication is successful, when receiving an authentication approval signal from said mobile communication terminal.

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3. An accounting method comprising the steps of:

(a) receiving a member ID information from a user and an accounting amount relating to a service, through an open information communication line;

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(b) identifying a member by comparing a member ID information registered in a member database and the member ID information from the user;

(c) requesting connection to a mobile communication terminal of a debtor by using a mobile communication terminal number registered in said member data base, when the member is identified;
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(d) inquiring approval or rejection of a payment of a charge to the debtor; and

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5 (e) registering the accounting amount in said member database together with an information about service presentation, when receiving a signal approving the payment of the charge by the debtor from said mobile communication terminal, and deducting the accounting amount from a bank account registered preliminarily.

4. An accounting method as defined in claim 3 further comprising the step of:

10 receiving a facility ID information of a facility for the service presentation, through the open information communication line; and identifying the facility.

5. An accounting apparatus comprising:

15 a member database registering an information of members ; accounting authentication control means for receiving the member ID information from a user and accounting amount relating to a service, through an open information communication line;

20 basic authentication means for identifying a member by comparing a member ID information registered in said member database and the member ID information received from said accounting authentication control means;

mobile communication authentication means for requesting

connection to a mobile communication terminal of a debtor registered in said member database, when the member ID from the user is authenticated by said basic authentication means; and

accounting means for deducting the accounting amount from a
5 bank account registered preliminarily, and registering the accounting amount in the database together with an information about service presentation, when receiving an approval signal for the accounting amount from the mobile communication terminal of the debtor.

10 6. An accounting apparatus as defined in claim 5 further comprising:

a facility database registering the information of service presentation facility; and

facility authentication means,

15 wherein said accounting authentication control means further receives a facility ID information for identifying the facility, through the open information communication line,

wherein said facility authentication means identifies the facility by comparing a facility ID information registered in said facility
20 database and the facility ID information received from said accounting authentication control means, and

wherein said mobile communication authentication means

requests connection to the mobile communication terminal of the debtor registered in the member database, when the facility ID and member ID are authenticated by said facility authentication means and said basic authentication means.

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